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(54) POLYURETHANE RESIN COMPOSITION FOR POWDER MOLDING

(57)Abstract:

PURPOSE: To obtain the title composition improved in moldability by mixing a polyisocyanate with a polyol and a dispersion stabilizer in a specified ratio.

CONSTITUTION: A dispersion stabilizer is obtained by reacting 100 pts.wt. unsaturated polyol with 20-400 pts.wt. ethylenically unsaturated monomer having a side chain comprising a 6C or higher hydrocarbon group (e.g., 1-octene) in the presence of a radical polymerization initiator. A polyisocyanate is reacted with a polyol, 1-30wt.% said stabilizer and 0.01-1wt.% catalyst (e.g., dibutyltin dilaurate) in an organic medium, and the product is dried under normal or reduced pressure to obtain a polyurethane resin composition for powder molding, having a mean particle diameter of 1-2000 μ m.

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